AMENDMENTS TO THE CLAIMS

This Listing of the Claims will replace all prior versions and listings of the claims in the application.

Listing of the Claims:

1. (Previously Presented) A nasal delivery device for delivering substance to a nasal airway of a subject, comprising:
first and second nosepiece units, each including a nosepiece for fitting to respective nostrils of a subject;
at least one substance supply unit for supplying a metered dose of substance for delivery to the nasal airway of the subject;
a valve unit for selectively fluidly connecting the at least one substance supply unit alternately to respective ones of the nosepiece units; and
a mouthpiece through which the subject in use exhales to cause closure of the oropharyngeal velum of the subject during delivery of substance.

2. (Cancelled)

3. (Previously Presented) The delivery device of claim 1, further comprising:
a gas supply channel for supplying a gas flow for entraining substance supplied by the at least one substance supply unit.

4. (Previously Presented) The delivery device of claim 3, wherein the mouthpiece is fluidly connected to the gas supply channel, whereby the gas flow is an air flow developed by an exhalation breath of the subject.

5. (Original) The delivery device of claim 3, further comprising:
a gas supply unit which is fluidly connected to the gas supply channel for delivering a gas flow through the gas supply channel.

6. (Previously Presented) The delivery device of claim 5, wherein the gas supply unit is an exhalation breath actuatable unit which is fluidly connected to the mouthpiece such as to be actuated on exhalation by the subject.

7. (Previously Presented) The delivery device of claim 3, wherein the valve unit is configured alternately fluidly to connect one of the nosepiece units to the at least one substance supply unit and vent the other of the nosepiece units, such that, where the gas flow is at a driving pressure which is such as to cause the gas flow to flow around the posterior margin of the nasal septum and through the nasal airway, the gas flow delivered through the one nosepiece unit is vented through the other nosepiece unit.

8. (Original) The delivery device of claim 7, further comprising:
at least one flow resistor to which the other nosepiece unit is vented.

9. (Original) The delivery device of claim 8, wherein the flow resistor has a fixed flow resistance for providing a fixed flow resistance to the gas flow.

10. (Original) The delivery device of claim 8, wherein the flow resistor is a progressive resistor for progressively providing an increasing flow resistance to the gas flow.

11. (Original) The delivery device of claim 10, wherein the progressive resistor comprises an expandable member which provides a progressively increasing resistance to the gas flow.

12. (Previously Presented) The delivery device of claim 1, further comprising:
a control unit for controlling the valve unit such as to provide for alternate delivery of substance through respective ones of the first and second nosepiece units.

13. (Previously Presented) The delivery device of claim 1, comprising:
a single substance supply unit for supplying substance for delivery alternately to respective ones of the first and second nosepiece units.

14. (Previously Presented) The delivery device of claim 1, comprising:
first and second substance supply units for supplying substance for delivery to respective ones of the first and second nosepiece units.

15. (Previously Presented) The delivery device of claim 1, wherein the valve unit comprises first and second valves, each being fluidly connected to a respective one of the first and second nosepiece units.

16. (Previously Presented) A method of delivering substance to a nasal airway of a subject, comprising the steps of:
fitting first and second nosepiece units to respective nostrils of a subject;
delivering a metered dose of substance alternately through respective ones of the nosepiece units; and
exhaling through a mouthpiece during delivery of substance to cause closure of the oropharyngeal velum of the subject.

17. (Cancelled)

18. (Previously Presented) The method of claim 16, wherein substance is delivered in a gas flow.

19. (Original) The method of claim 18, wherein the gas flow is an air flow developed by an exhalation breath of the subject.

20. (Original) The method of claim 18, wherein the gas flow is a gas flow separate to an exhalation breath of the subject.

21. (Previously Presented) The method of claim 18, wherein substance is delivered alternately to the nosepiece units and the other of the nosepiece units is vented, such that, where the gas flow is at a driving pressure which is such as to cause the gas flow to flow around the posterior margin of the nasal septum and through the nasal airway, the gas flow delivered through the one nosepiece unit is vented through the other nosepiece unit.

22. (Original) The method of claim 21, wherein the gas flow is vented through a flow resistor.

23. (Original) The method of claim 22, wherein the flow resistor has a fixed flow resistance and provides a fixed flow resistance to the gas flow.

24. (Original) The method of claim 22, wherein the flow resistor is a progressive resistor which provides a progressively increasing flow resistance to the gas flow.

25. (Original) The method of claim 24, wherein the progressive resistor comprises an expandable member which provides a progressively increasing resistance to the gas flow.

26. (Previously Presented) The method of claim 16, wherein substance is supplied from a single substance supply unit.

27. (Previously Presented) The method of claim 16, wherein substance is supplied to the first and second nosepiece units from respective ones of first and second substance supply units.

28. (Currently Amended) A nasal delivery device for delivering substance to a nasal airway of a subject, comprising:

a mouthpiece configured to receive an exhalation breath from the subject ~~through which a subject in use exhales~~ to cause closure of the oropharyngeal velum of the subject;

at least one delivery unit for delivering a metered dose of substance to a nasal airway of the subject on exhalation by the subject; and

[[a]] an exogenous gas supply unit for supplying a gas flow into the nasal airway of the subject and configured to provide an alternating pressure in the nasal airway of the subject during the exhalation breath ~~cycling a pressure in the nasal airway of the subject on exhalation by the subject~~.

29. (Cancelled)

30. (Currently Amended) The delivery device of claim 28, wherein the exogenous gas supply unit is an exhalation breath actuatable unit which is fluidly connected to the mouthpiece such as to be actuated on exhalation by the subject.

31. (Currently Amended) A method of delivering substance to a nasal airway of a subject, comprising the steps of:

delivering a metered dose of substance to a nasal airway of a subject;

the subject delivering an exhalation breath ~~exhaling~~ through a mouthpiece during delivery of the substance to cause closure of the oropharyngeal velum of the subject; and

supplying an exogenous gas flow having an alternating pressure into the nasal airway of the subject during the exhalation breath ~~cycling a pressure in the nasal airway of the subject~~.

32. (Cancelled)

33. (Cancelled)

34. (Cancelled)

35. (Currently Amended) A nasal delivery device for delivering substance to a nasal airway of a subject, comprising:

a mouthpiece configured to receive an exhalation breath from the subject ~~through which a subject in use exhales~~ to cause closure of the oropharyngeal velum of the subject;

at least one delivery unit for delivering a metered dose of substance to a nasal airway of the subject on exhalation by the subject; and

[[a]] an exogenous gas supply unit for alternately delivering and withdrawing a volume of gas through the nasal airway of the subject during the exhalation breath ~~on exhalation by the subject~~, such as to cause entrained substance to be flushed in alternate directions therethrough.

36. (Currently Amended) A method of delivering substance to a nasal airway of a subject, comprising the steps of:

delivering a metered dose of substance to a nasal airway of a subject;

the subject delivering an exhalation breath ~~exhaling~~ through a mouthpiece during delivery of the substance to cause closure of the oropharyngeal velum of the subject; and

alternately delivering and withdrawing a volume of exogenous gas through the nasal airway of the subject during the exhalation breath such as to cause ~~entrained~~ the substance to be flushed in alternate directions therethrough.

37. (Cancelled)

38. (Currently Amended) An interface member for attachment to a nasal delivery device, said interface member comprising~~, as an integral element,~~ at least one nosepiece for fitting to a nostril of a subject and a mouthpiece ~~through which the subject in use exhales, wherein the mouthpiece comprises~~ comprising a cavity into which the subject in use exhales, ~~and which is in part defined by a closed,~~ said cavity being closed off by a flexible member which is deflectable on

exhalation into the mouthpiece so as to trigger a substance supply unit in the nasal delivery device, and ~~wherein the integral element is configured such~~ further providing that no part of the delivery device, other than the interface member, ~~to which it is attached~~ is exposed to the exhalation breath of the subject.

39. (Original) The interface member of claim 38, comprising first and second nosepieces for fitting to respective nostrils of a subject.

40. (Previously Presented) The interface member of claim 38, wherein the ~~integral element~~ interface member is a disposable element.

41. (Previously Presented) The interface member of claim 38, wherein the mouthpiece comprises a tubular section through which the subject in use exhales.

42. (Cancelled)

43. (Original) The interface member of claim 38, wherein the flexible member comprises a resilient member.

44. (New) The interface member of claim 38, wherein the flexible member is a diaphragm.

45. (New) A nasal delivery device for delivering substance to a nasal airway of a subject, comprising:

at least one substance supply unit configured to supply a metered dose of substance for delivery to the nasal airway of the subject;

first and second nosepiece units, each including a nosepiece for fitting to respective nostrils of a subject, and each configured to alternatively (i) communicate with at least one substance supply unit and (ii) vent the nasal airway of the subject;

a valve unit configured to alternatively (i) establish communication between at least one substance supply unit and the first nosepiece unit, and vent the nasal airway of the subject through second nosepiece unit or (ii) establish communication between at least one substance supply unit and the second nosepiece unit, and vent the nasal airway of the subject through first nosepiece unit; and

a mouthpiece through which the subject in use exhales to cause closure of the oropharyngeal velum of the subject during delivery of substance.

46. (New) A method of delivering substance to a nasal airway of a subject, comprising the steps of:

providing at least one substance supply unit configured to supply a metered dose of substance for delivery to the nasal airway of the subject;

fitting first and second nosepiece units to respective nostrils of a subject, each nosepiece unit configured to alternatively (i) communicate with at least one substance supply unit and (ii) vent the nasal airway of the subject;

providing a valve unit configured to alternatively (i) establish communication between at least one substance supply unit and the first nosepiece unit, and vent the nasal airway of the subject through second nosepiece unit or (ii) establish communication between at least one substance supply unit and the second nosepiece unit, and vent the nasal airway of the subject through first nosepiece unit;

delivering a metered dose of substance alternately through respective ones of the nosepiece units; and

exhaling through a mouthpiece during delivery of substance to cause closure of the oropharyngeal velum of the subject.